Domannee zaganne N1
no rypcy Pynkynananone rporpannupobanne
Tpynna M23-524 PUO Neonob B.B.

Mochba, 2023

Jaganne 1 Danne oppegenenne observa b A-unmennen.

Ombern.

Observan nazorbaen mepura, koropare ecmo:

1) X, y, Z - nepernennone-tepura,

C - konomannuse mepura,

2) eans MN-tepura,

3) eans MN-mepura, to dx. M-mepur.

3) eans M-mepura, to dx. M-mepur.

Jaganne 2 Heary pabrio f, eans a) f(x) = x² + 2,

I, ears 5) I(x) = x.

 $\frac{Ombem}{a) f = \lambda a \cdot x^2 + 2}$ $5) I = \lambda a \cdot a$

3 agame 3. Boccmanobune acotom 6 borpasuemme a) Z & y

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6) (ay (\(\pi\)a)) \(\pi\)(a a)

Ombom

a) (\(\frac{1}{2}\) \(\frac{1}{2}\) (\(\frac{1}{2}\) (\(\frac{1}2\) (\(

(<u>3aganne</u> 4. Onyemme munne cκοδκα. (α y (y =) =) (y ((y =) α α)) α Omben ayyy => = y(y = a a) a , 3 aganne 5. Nocmynam B (Ax. s)t = [x - +18 - B- regyrymp Baganne 6. Nocmynam d Umbern dov. S => dy. [20 ->y]S, nou yunderen y & FV(S) bioganienne Bagame I. Pegyrynpytime e) (da. N) M a) [2 -2](2+21) 1) (d ay. aya) MN 8) (As. 2) W 8/1(u), uge 1(a) = x2+2 c) (2 x. y) M h) g 3 u, rge g = day. 2 +3 + (dx. 3+x); d) (d ayz. a (y =)) (u y) = a) Ombern a)[2+2) -2+2 -4 6) (da. a) w -> M c) (day) w -> y d)(dayz. &(y z))(u y)(z a) -> (dxwz. a(w z))(u y) (z a) -> (dxwz. (u y)(u y) (z a) -> (dxwz. (u y)(u p))(z x) -> dp. (uy) (z ap)

e) (d av. N) M -> (d y. k-y] N) M, y & FV(N) -> 1) (A ay. aya) MN → (A zy. zyz)MN, z ¢ FVW) → MNM → (Ay. MyM)N — (Ap. MpM)N, p¢FVW) → MNM 9) (da. 2+2)4=42-16+2-18 h) (day. x*3 + ((dx. 1+x3) y))34 -> (dxy. x*3+1+y3)34-> -> (Ay. 3*3+1+y3) 4 -> 3*3+1+48 -> 3*3+1+64-> -> 9+1+64 - 10+64 - 74. Saganul & Ombemone na bonpour a) Tyuno K sy = sv. reny polono K? B) Tymb Say = & = (y =), remy polono 8? c) Tymo (61)g) = 4 (9 (2), remy pobro 0? Omben a) K = day. a b) S= Layz. azyz) C) 0 = 1 fgw. ((g(x)) 3aganne 9 Onnegenure umomento do sognoso u chezamione repensembres: d) dx. a+y a) 2 e) (yay, a+y) ar 8) ha. 21 1)(20.0+A)A)*((yd. A, (y±.≤)=))5) c) da. y Ombern a) Fray, BYELL) = &

8) FV(W) = Ø, BV(W) = {x} c) FV(W) = {y}, BV(W) = BV(Y)U {x} = {x}.

d) $FV(\omega) = \{y\}$, $BV(\omega) = \{x\}$.

e) FV(w) = FV(x) U F V (x xy, x ey) = (x) BV (M) = BV(x) U BV (x ay, x +y) = (x, y)

Q) __

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Baganne 11. Orpegenne gynkymo rogerandens

Ombern [x -> N] = LW. (1x. w)N